



# Remote Sensing Applications Division (RSAD)

## CDR Program Office

Weekly Report for Jan 13, 2012  
John J Bates, Chief

# CDR Program Office

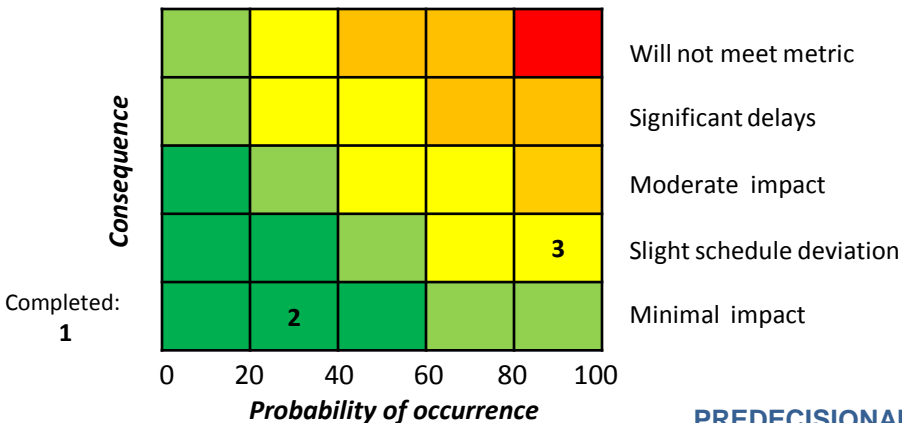
## FY12 Climate Data Records

### Weekly Report – Jan 13, 2012

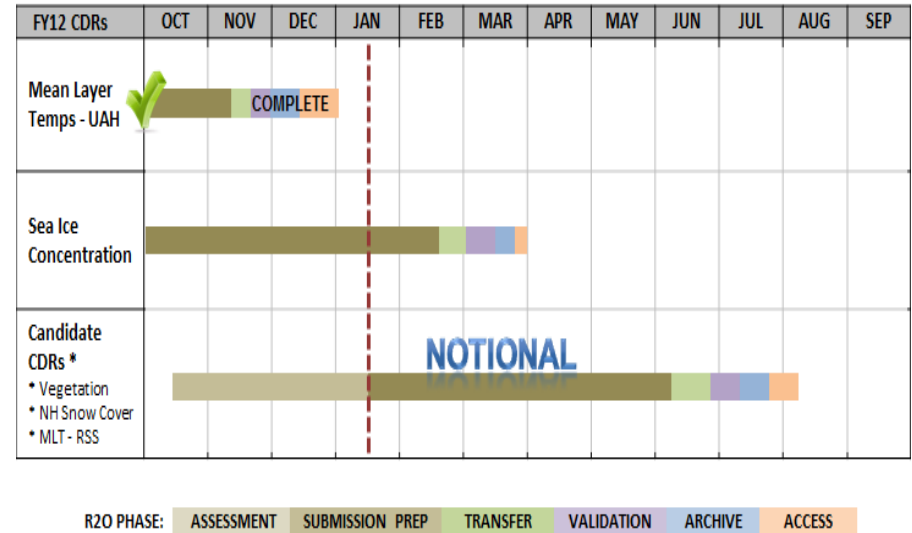
- ① **Mean Layer Temperatures – Univ of Alabama Huntsville (UAH)**
  - Completed – Nov 17
- ② **Sea Ice Concentration**
  - NSIDC is **not** separating daily product from non CDR products
- ③ **Candidate CDRs under initial evaluation (one to be selected):**
  - \*Vegetation Bundle – received some items
  - \*Northern Hemisphere Snow Cover - received some items
  - \*Mean Layer Temperatures RSS - TM making good progress

● No change    ↑ Increasing Risk    ↓ Decreasing Risk    \*Candidate CDRs

### Risk Matrix



### R2O Schedule



### Risk and Mitigation

- All PIs have responded and are willing to support transition
- Initial assessments are proceeding slowly

PREDECISIONAL DRAFT INFORMATION

# CDR Discussion / Decisions

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- Sea Ice – Decided it was in the best interests of the CDRP to separate the Sea Ice CDR from the Goddard and Bootstrap products. This will allow for ease of maintenance (quarterly updates), addition of monthly product, and simplify future transition. Will work with NSIDC on delivery schedule for updated data and documentation (12/19)
- CDR Bundles - Decided there can be multiple CDRs in a bundle; each PI's CDR bundle will be transitioned together and counted as one for the OMB metric (12/1)
- FY12 Budget signed – current funding allows for three new CDRs to be transitioned in FY12, budget constraints may also postpone any updates to the current CDRs in operations (11/29)
- Ozone bundle – initial assessment revealed no CDR is available for transition, will work it as a special project and not as an FY12 CDR (11/16)

# FY12 TCDR - Sea Ice

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**CDR Product:** TCDR - Sea ice concentration, 1979-2010 (20 GB)

**GEOSS Societal Benefit:** Climate, Water, Ecosystems, Agriculture

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- NSIDC is **not** going to put the CDR product into a separate file, but they still plan to create a **monthly** product (if approved at Tues mtg)

**Two Decision are needed:** (recommendation is 1a and 2a)

1a) Release the daily CDR we already have

pros: ready to go, answers NSIDC question why not released yet, no additional work needed by NSIDC

cons: no monthly product

1b) Let NSIDC create monthly product, release CDR after monthly product is added, documentation updated, and all are archived

pros: monthly product added

cons: additional work by NSIDC, may not be available by March

2a) Follow on work to separate the CDR from other variables, add monthly product if not already chosen above

pros: allows for quarterly updates, could be put into contract for specific deliverables

cons: no resources at NSIDC to work

2b) No follow on work to separate CDR from the other variables

pros: minimal upfront cost for annual update

cons: only updated annually, higher maintenance costs down the road

# CDR Discussion / Decisions

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- Since we are picking one additional CDR to transition is there a preference of one Candidate CDR over another (scientific, funding, personal reasons)? MLT RSS, Vegetation, Snow Cover – which will be the primary CDR and which ones will be backups?
- Sea Ice – Decided it was in the best interests of the CDRP to separate the Sea Ice CDR from the Goddard and Bootstrap products. This will allow for ease of maintenance (quarterly updates), addition of monthly product, and simplify future transition. Will work with NSIDC on delivery schedule for updated data and documentation (12/19)
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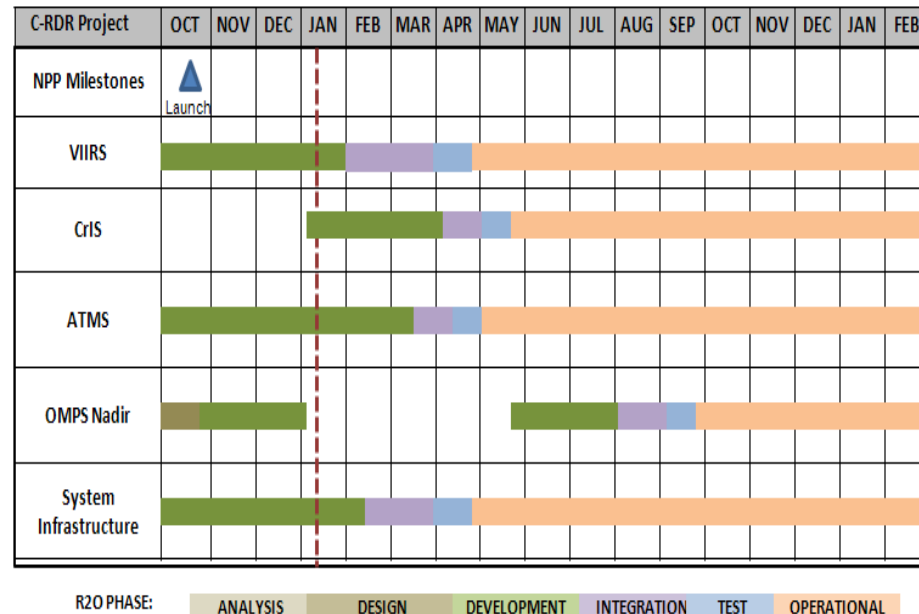
# CDR Program Office

## NPP/JPSS Climate Raw Data Records (C-RDRs) Project

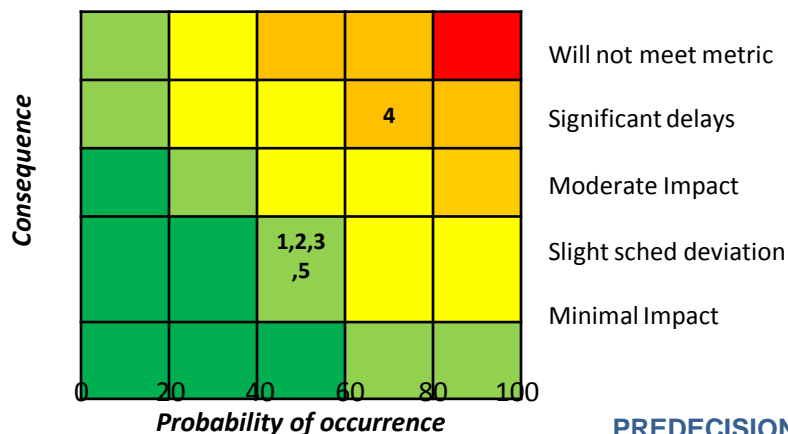
### Weekly Report – January 12, 2012

- ① **VIIRS**
    - Developing code to test the VIIRS C-RDR.
  - ② **CrIS**
    - Analyzing CrIS code from ADL.
  - ③ **ATMS**
    - Developing code to write the ATMS C-RDR.
  - ④ **OMPS Nadir**
    - Developing code to write the OMPS Nadir C-RDR.
  - ⑤ **System Infrastructure**
    - Developing ingest processing for RDRs.
- **Build of ADL 3.1 complete.**

● No change ↑ Increasing Risk ↓ Decreasing Risk



### Risk Matrix



### Risk and Mitigation

#### VIIRS, CrIS, ATMS, OMPS Nadir –

- Operational software is under maintenance, updated versions may affect C-RDR ported version.

#### System Infrastructure –

- Reliability of NPP RDRs from CLASS. Need to test ingest of RDRs from CLASS and develop an automated mechanism for re-requesting data.
- Ability of CLASS to handle the frequency and volume of NPP data. CLASS has been successful during system tests.
- Archive in CLASS is currently cost prohibitive. Need to identify alternate archive. Plan to store C-RDRs on HPSS until migration to CLASS.

PREDECISIONAL DRAFT INFORMATION